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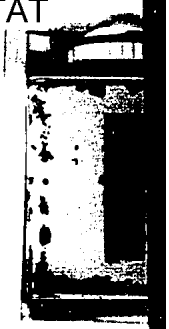

REVIEW OF CZECHOSLOVAK STANDARDS SPECIFICATIONS FOR COPPER AND COPPER ALLOYS

[Comment: The following table lists standard specifications for copper and copper alloys, issued by the Czechoslovak Office for Standardization (Statni Urad pro Normalisaci) during 1953, and published in Hutnicke Listy (Metallurgical Journal), No 2, February 1954. The journal is published by the Czechoslovak Ministry of Metallurgy and Ore Mines. The standards include only alloys frequently required by Czechoslovak industry and the table includes comparable GOST designations where applicable.]

Czechoslovak Standard Number	Nomenclature	Month and Year Issued	Material Markings	Comparable GOST Designation Standard	Marking
CSN 42 3001	Copper 99.9 E Cu, (electrolitic)	6 53	42 3001	859 - 41	M 1
CSN 42 3002	Copper 99.9 E Cu (electrolitic for long distance cables	7 53	42 3002	859 - 41	M 1
CSN 42 3003	Copper 99.75 (wrought)	6 53	42 3003	859 - 41	M 2
CSN 42 3004	Copper 99.5 (wrought) Suitable for Welding	7 53	42 3004	859 - 41	M 2
CSN 43 3005	Copper 99.5 (wrought)	6 53	42 3005	859 - 41	M 3
CSN 42 3006	Copper 99.5 (wrought) Suitable for Welding	7 53	42 3006	--	--
CSN 42 3009	Arsenic copper CU 99.2 - A_s	6 53	42 3009	--	--
CSN 42 3011	Bronze Cu-Sn 1 (wrought)	6 53	42 3011	--	--
CSN 42 3013	Bronze Cu-Sn 3 (wrought)	6 53	42 3013	5017-49	Br,OF4-0.25
CSN 42 3016	Bronze Cu-Sn 6 (wrought)	6 53	42 3016	--	--
CSN 42 3018	Bronze Cu-Sn 8 (wrought)	6 53	42 3018	5017-49	Br,OF6.5-0.15
CSN 42 3019	Bronze Electrolitic	7 53	42 3019	--	--
CSN 42 3042	Aluminum Bronze Cu - Al 5	6 53	42 3042	493 - 41	Br A 5
CSN 42 3056	Manganese Bronze Cu - Mn 13 - Ni	7 53	42 3056	492 - 41	NMMc 85 - 12
CSN 42 3058	Cadmium Copper Alloy (wrought)	7 53	42 3058	4134 - 48	--

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Czechoslovak Standard Number	Nomenclature	Month and Year Issued	Material Markings	Comparable GOST Designation Standard	Marking
CSN 42 3064	Nickle Bronze Cu-Ni 30 - Mn	6 53	42 3064	--	--
CSN 42 3065	Nickel Bronze (wrought) Cu - Ni 45 - Mn	6 53	42 3065	492 - 41	NMMc 58.5 to 1.5
CSN 42 3201	Brass 90 (tombak) [sic]	6 53	42 3201	1019 - 47	L 90
CSN 42 3202	Brass 85 "	6 53	42 3202	1019 - 47	L 85
CSN 42 3203	Brass 80 "	6 53	42 3203	1019 - 47	L 80
CSN 42 3210	Brass 70 (wrought)	6 53	42 3210	1019 - 47	L 70
CSN 42 3212	Brass 68 "	6 53	42 3212	1019 - 47	L 68
CSN 42 3213	Brass 63 "	6 53	42 3213	1019 - 43	L 62; LA 77-2
CSN 42 3214	Copper-Zinc-Lead Alloy: Brass 63 - Pb (free machining)	6 53	42 3214	1019 - 47	LS 64 - 2
CSN 42 3221	Brass 60 - Pb	6 53	42 3221	1019 - 47	LS 60 - 1
CSN 42 3222	Brass 59 - Pb	6 53	42 3222	1019 - 47	LS 59 - 1
CSN 42 3223	Brass 58 - Pb	6 53	42 3223	1019 - 47	LS 59 - 1
CSN 42 3231	Copper-Zinc-Aluminum-Manganese Alloy: Brass 57 - Al - Mn	6 53	42 3231	1019 - 47	LMcA 57-3-1
CSN 42 3234	Copper-Zinc-Manganese: Brass 58 - Mn	6 53	42 3234	1019 - 47	LMc 58 - 2
CSN 42 3236	Copper-Zinc-Lead-Tin Alloy: Brass 60 - Sn (bell metal)	6 53	42 3236	1019 - 47	LO 60 - 1
CSN 42 3239	Copper-Zinc-Aluminum - Tin-Manganese Alloy: Brass 70 - Al (for condensers)	6 53	42 3239	--	--
CSN 42 3242	Brass 77 - Al	6 53	42 3242	1019 - 47	LA 77 - 2
CSN 42 3256	Copper-Zinc-Nickel Alloy: Nickel-Brass (Ni 14)	6 53	42 3256	492 - 41	NMc 65 - 20

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